

Best Practices

Guide for Supporting
12th Grade NAEP Participation



2024

To get started, view the Introduction to Best Practices video

Best Practices

Guide for Supporting 12th
Grade NAEP Participation



<https://bcove.video/3tia6nn>

NAEP 2024 Best Practices Guide

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NAEP 2024 Best Practices Guide

Introduction

This guide includes proven practices and strategies, from administrators like you, to make the National Assessment of Educational Progress (NAEP) a very positive and successful experience for our nation's high schools.

NAEP results provide valuable feedback to educators, elected officials, and policymakers who work to maintain and improve the quality of our education system. Since NAEP is designed to assess a representative sample of our nation's students, the accuracy of NAEP relies on the full participation of you, your teachers, and your students. One of the major purposes of NAEP is to show how education in the nation and our state is progressing. For that, we need a true picture of our students' collective progress.

Twelfth-grade participation

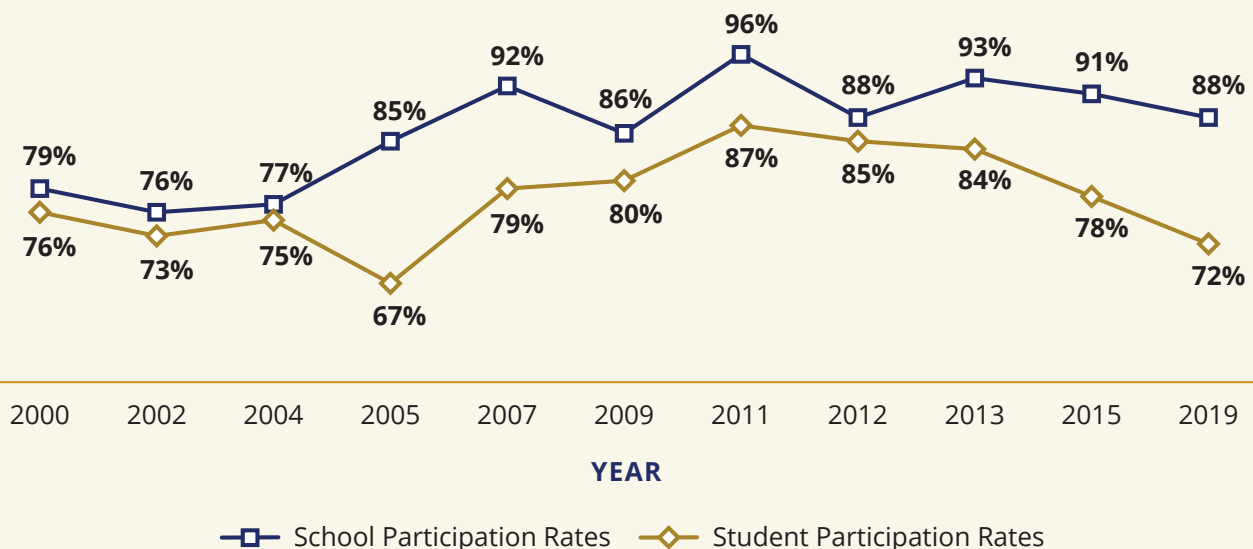
Historically, twelfth-grade student participation in NAEP has been a challenge. Both low participation and low motivation can undermine the validity and credibility of NAEP results for high school

students. As the graph below demonstrates, NAEP participation increased with the implementation of the *Best Practices Guide* in 2007. Participation is more important than ever since this is the first NAEP Grade 12 assessment since the COVID-19 pandemic began.

Recommendations from the Secondary School Principals' Working Group

The *Best Practices Guide* was created after NCES convened a Secondary School Principals' Working Group in 2005 to address twelfth-grade participation rates. After discussing participation rates, student motivation, and student results, the working group concluded that the results did not reflect the true level of achievement of their students. The working group also concluded that high school principals and other school leaders could help improve participation rates by obtaining teacher buy-in and motivating students to take the assessment and do their best, and that best practices for achieving high participation should be shared with principals.

NAEP School and Student Participation Rates for Public Schools: Grade 12





Twelfth-grade participation in NAEP improved after the implementation of these recommendations, but only because principals like you have used some or all the strategies included in the Best Practices Guide. With increased participation headwinds in assessments, NAEP relies on principals like you more than ever.

Preparing for NAEP 2024

This guide will provide the tools you need to communicate the importance of participating in NAEP to your students and teachers. Some of the resources available in the *Best Practices Guide for Supporting Twelfth-Grade NAEP Participation* are the following:

- ▶ **Videos** to introduce NAEP to students and teachers;
- ▶ **PowerPoint presentations** customized for the students, parents, and staff at your school;
- ▶ **MS Word templates** for student notification letters, morning announcements, and more;
- ▶ **Talking points** used by principals for communicating with teachers, students, and parents; and
- ▶ **Social media posts** announcing NAEP to various audiences.

In addition, you will receive three emails in the months leading up to the assessment. Each email will highlight effective strategies for encouraging participation and will link to the resources mentioned above.

Notification Letter

For Students

Dear Student:

Congratulations! You have been selected to participate in this year's National Assessment of Educational Progress, also known as NAEP. Very few students are selected, but you have been chosen to represent thousands of your peers in this important assessment.

NAEP is the most important measure of what students from across the country know and can do in a variety of subject areas. It is different from our state assessments because it represents high school students across the country, not just those here in **[state]**. Your participation will provide a snapshot of what students from across the country have learned in school, which will inform major decisions about how to improve education in the United States. In short, it's important that you take part and give it your best effort!

- ▶ You will take NAEP at **[time, date, location]** with other selected students.
- ▶ You will take a mathematics or reading assessment.
- ▶ NAEP takes about 2 hours, and you don't need to study for it.
- ▶ **Your answers will be anonymous and will NOT affect your grades or academic record in any way.**
- ▶ Upon completion of the assessment, you will receive a Certificate of Community Service.

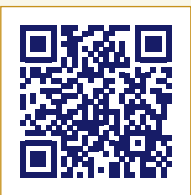
If you have any questions or would like to review sample questions, **[insert name of school contact person]** will be happy to help. You can also visit <http://nces.ed.gov/nationsreportcard/students> for more information.

We are fortunate that our school has been selected to participate in NAEP, and we are excited to have you take the assessment. We know you will do your best and help us show what our students are capable of.

Sincerely,

[School Principal]

What students are saying about NAEP participation...



Notification Letter

For Parents or Guardians

[School Letterhead]

[Insert Date Here]

Dear Parent or Guardian:

[School name] will participate in the National Assessment of Educational Progress (NAEP) on **[date]**. NAEP is the largest nationally representative and continuing assessment of what students know and can do in various subjects. NAEP is administered by the National Center for Education Statistics, within the U.S. Department of Education. NAEP is different from our state assessments because it is a common measure of achievement across the country. The results are released as The Nation's Report Card, which provides information about student achievement to educators, parents/guardians, policymakers, and the public.

Your child **[will/may]** take a mathematics, reading, or science assessment. In addition to subject-area questions, students voluntarily complete NAEP survey questions. These questions provide valuable information about participating students' educational experiences and opportunities to learn both in and outside of the classroom. More information about NAEP survey questions is available at <https://nces.ed.gov/nationsreportcard/parents> under the section "What Questions Are on the Test?"

The assessment takes about 120 minutes for most students, which includes transition time, directions, and completion of survey questions.

The information collected is used for statistical purposes only.

- ▶ Your child's grades will not be affected.
- ▶ Students may be excused for any reason, are not required to complete the assessment, and may skip any question.
- ▶ While the assessment is voluntary, NAEP depends on student participation to help policymakers improve education. However, if you do not want your child to participate, please notify me in writing by **[date]**.

There is no need to study in preparation for NAEP, but please encourage your child to do their best. Contact **[name]** at **[telephone number]** or at **[email address]** if you have any questions.

We are excited that our school is participating in NAEP. We know that **[school name]**'s students will show what our nation's students know and can do.

Sincerely,

[School Principal's Name]

National Center for Education Statistics (NCES) conducts the National Assessment of Educational Progress to evaluate federally supported education programs. All of the information you provide may be used only for statistical purposes and may not be disclosed, or used, in identifiable form for any other purpose except as required by law (20 U.S.C. §9573 and 6 U.S.C. §151). By law, every NCES employee as well as every NCES agent, such as contractors and NAEP coordinators, has taken an oath and is subject to a jail term of up to 5 years, a fine of \$250,000, or both if he or she willfully discloses ANY identifiable information about you. Electronic submission of your information will be monitored for viruses, malware, and other threats by Federal employees and contractors in accordance with the Cybersecurity Enhancement Act of 2015.

Social Media and Online Communication

Sample Announcements

If your school uses Twitter and/or Facebook to communicate with parents, students, and teachers, you can also use these platforms to communicate the importance of the assessment to teachers and to encourage student participation. The messages on the following page are formatted for Facebook and Twitter and are available for you to customize before posting to your school's social media channels. These messages can also be posted on your school website, incorporated in school emails, newsletters, and/or your school's preferred social media platform.

In addition, you can follow NAEP's social media accounts as we regularly share resources, results, and tools for working with NAEP that states also share on their pages to prepare for participation in the assessments.

Find our social media accounts below.



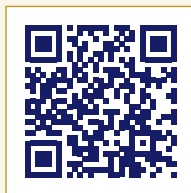
Facebook

[@National Assessment of Educational Progress \(NAEP\)](https://www.facebook.com/NationalAssessmentofEducationalProgress)



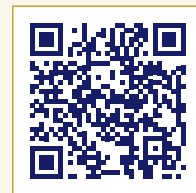
Twitter

[@NAEP_NCES](https://twitter.com/NAEP_NCES)



YouTube

[@TheNationsReportCard](https://www.youtube.com/TheNationsReportCard)



Scheduling Information



Facebook

Our school will have the chance to make a difference in education on **[DATE]**! Learn why our participation in NAEP is important at <https://www.nationsreportcard.gov/>.

A group of our 12th-graders will represent thousands of others across the country on **[DATE]**! Known as The Nation’s Report Card, NAEP is the largest nationally representative and continuing assessment of what students in the United States know and can do in a variety of subjects. Learn more at <https://www.nationsreportcard.gov/>.



Twitter

We’re excited to announce our school will participate in **#NAEP** on **[DATE]**! Learn about this national assessment at <https://www.nationsreportcard.gov/>.

#NAEP will be administered to select 12th-graders at our school on **[DATE]**. To learn more about the program, visit <https://nces.ed.gov/nationsreportcard/students/>.

Something big is happening on **[DATE]**. A group of our 12th-graders will participate in **#NAEP** that day! Learn more at <https://nces.ed.gov/nationsreportcard/students/>.

Information for Teachers



Facebook

Teachers, how much do you know about NAEP? What does NAEP mean for you and your students? Hear what other teachers are saying at <https://nces.ed.gov/nationsreportcard/participating/schools.aspx>.

NAEP results help us better understand how our students are performing academically across the United States. Learn more about why participation is important at https://www.nationsreportcard.gov/focus_on_naep/participation/#/grade12.



Twitter

Some of our 12th-graders have been selected to participate in **#NAEP**! Discover what other **#teachers** are saying at <https://nces.ed.gov/nationsreportcard/participating/schools.aspx>.

#Teachers, do you know why our **#student** participation in **#NAEP** is important? Find out: https://www.nationsreportcard.gov/focus_on_naep/participation/#/grade12.

#Teachers, find out the types of questions your #students will see on **#NAEP** with the NAEP Questions Tool: <https://nces.ed.gov/nationsreportcard/nqt/>.

Information for Students



Facebook

12th-graders, don't forget! If you have been selected to take NAEP, your participation is essential for understanding what students across the country have learned in school. Curious about the types of questions you can expect to see on #NAEP? Check out the NAEP Test Yourself tool at <https://nces.ed.gov/nationsreportcard/nqt/>.

What is NAEP? Learn the answer to this question and more at <https://nces.ed.gov/nationsreportcard/students/>.



Twitter

Curious about the types of questions you can expect to see on **#NAEP**? Check out the NAEP Test Yourself tool at <https://nces.ed.gov/nationsreportcard/nqt/>.

You don't have to study for **#NAEP**, but your participation is still important. Find out why: <https://nces.ed.gov/nationsreportcard/students/>.

Information for Parents



Facebook

Parents, if your 12th-grader has been selected to take NAEP, they will represent thousands of other students across the United States. Discover other reasons why participation is so important at <https://nces.ed.gov/nationsreportcard/parents/>.

Do you have any questions about NAEP and your child's involvement? Learn the answers to your questions and more by visiting <https://nces.ed.gov/nationsreportcard/parents/>.



Twitter

Mark your calendars, parents! Our school will participate in **#NAEP** on **[DATE]**. Learn more about the assessment at <https://nces.ed.gov/nationsreportcard/parents/>.

If your child has been selected to participate in **#NAEP**, find more information about the assessment at <https://nces.ed.gov/nationsreportcard/parents/>.

Why is your child's participation in **#NAEP** important? Find out by visiting <https://nces.ed.gov/nationsreportcard/parents/>.

School Announcement Templates



Initial morning announcement

Good morning, students and teachers. I am excited to announce that our school has been selected to participate in the 2024 National Assessment of Educational Progress, also known as NAEP. It is the largest continuing and nationally representative assessment of what students across the country know and can do in a variety of subjects. Some of our twelfth-graders have been selected to take assessments in mathematics and reading. To those who have been selected for this important test, you have all our support, and I have NO doubt that you will represent us well! More details to follow as we move closer to our school's assessment day. Thank you in advance for your involvement.

Morning announcement used in the month leading up to NAEP assessment (possibly read once per week or biweekly)

Good morning, students and teachers. The countdown to the NAEP assessment is underway. We are only **[number]** days away from NAEP Day on **[date]**, when some of our twelfth-graders will take this important assessment to measure our nation's educational progress. Students and teachers, if you have any questions, please reach out to **[name]**, our School's NAEP coordinator. Thank you.

Morning announcement used the day of the NAEP assessment

Good morning, students and teachers. NAEP Day is finally here! I would like to remind everyone that today some of our twelfth-graders will be participating in the National Assessment of Educational Progress. Teachers, please be sure to release those students 5 minutes before the assessment is scheduled to begin. For those students who are participating, please report to your designated locations on time. You are playing an important role in our nation's ability to measure what students across the country are learning. What's more, by taking the assessment, you are having an impact on the future of education for the students who follow you. Do your best and good luck. Thank you.

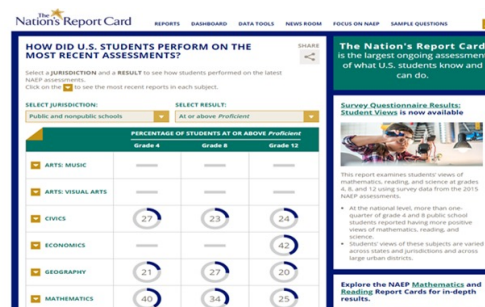
PowerPoint Slide

TV Monitor Announcement

What is the Nation's Report Card?



- A program that measures student achievement in major subject areas across the nation at grades 4, 8, and 12.
- It is also known as **NAEP**, which stands for the **National Assessment of Educational Progress**.
- NAEP is coming to our school on **<assessment date>**. Stay tuned for details!



<https://nationsreportcard.gov/>

Source: [TV Monitor Announcement](#).

Talking Points

Principals to Teachers

What is NAEP?

The National Assessment of Educational Progress (NAEP) is the largest continuing and nationally representative assessment that shows what students across the country know and can do in various subjects. It is different from our state assessments and even the SAT and ACT because it represents high school students across the country, not just those here in our state or those who plan to go on to college.

Why should I encourage my students to participate?

NAEP is an important and integral part of education in the United States. The results of NAEP are released as The Nation's Report Card. Encouraging your students to participate and do their best gives them the opportunity to show how well our nation's students perform.

- ▶ Elected officials, policymakers, and educators all use NAEP results to develop ways to improve education.
- ▶ NAEP provides a common measure of student achievement across the country.
- ▶ NAEP data can be used to compare and understand the performance of demographic groups within your state, the nation, and select urban districts.
- ▶ Teachers can use sample NAEP questions and scoring guides as a resource for understanding student performance.

What do I have to do?

Your students will need to be out of class for about 120 minutes for the assessment. You do not have to do anything to prepare for the assessment; you just need to release students from class and encourage them to do their best. Each student represents thousands of other high school students across the nation, so it is important that they participate and do their best.



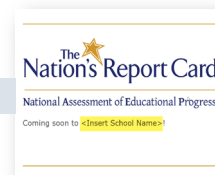
PowerPoint Slides

Introducing NAEP to Teachers

Before you use this presentation...

1. Insert your **school name** on **slide #2**.
2. Include the **assessment date** on **slide #11**.
3. Delete this slide after making the above updates.

Slide #2



Slide #11



1

Source: [Introducing NAEP to Teachers, slide 1.](#)

The Nation's Report Card

National Assessment of Educational Progress

Coming soon to <Insert School Name>!

Source: [Introducing NAEP to Teachers, slide 2.](#)

What is the Nation’s Report Card?



- A program that measures student achievement in major subject areas across the nation at grades 4, 8, and 12.
- It is also known as **NAEP**, which stands for the **National Assessment of Educational Progress**.
- Our school has been selected to represent schools across the country.



<https://nationsreportcard.gov>

3

Source: [Introducing NAEP to Teachers, slide 3.](#)

What is included on the NAEP assessment?



- Seniors will take a mathematics or reading assessment on a NAEP-provided device.
 - Each student will take **one subject only**.
- NAEP representatives will bring the devices and all necessary materials, including earbuds, and will administer the assessment.




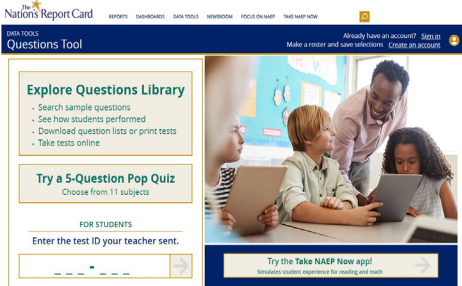
4

Source: [Introducing NAEP to Teachers, slide 4.](#)

What is included on NAEP assessments?

- Questions are multiple-choice, short answer, or essay.
- Sample questions are available online.
- Questionnaires will also ask about teaching strategies, students' educational experiences, and other information.





[The NAEP Questions Tool \(nationsreportcard.gov\)](https://nationsreportcard.gov)


5

Source: [Introducing NAEP to Teachers, slide 5.](#)

Sample Mathematics Question

If $f(x) = \frac{x-1}{x}$, what is $f(5)$?


- A. 0
- B. $\frac{4}{5}$
- C. 1
- D. $\frac{6}{5}$
- E. $\frac{24}{5}$



The correct answer is B. $\frac{4}{5}$

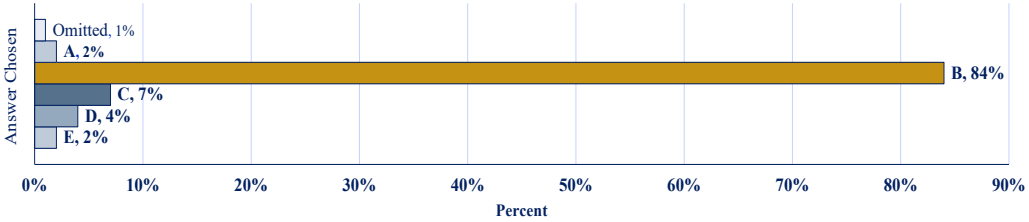
6

Source: [Introducing NAEP to Teachers, slide 6.](#)



Sample Mathematics Question Results

National results: student answer percentages for grade 12 mathematics sample question from 2013




Answer Chosen	Percent
Omitted	1%
A	2%
B	84%
C	7%
D	4%
E	2%

84% of students selected the correct response to this question during the 2013 assessment.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2013 Mathematics and Reading Assessments. 7

Source: [Introducing NAEP to Teachers, slide 7.](#)



Sample Reading Excerpt

FUN

by Suzanne Britt Jordan

Fun is hard to have.
Fun is a rare jewel.

Somewhere along the line people got the modern idea that fun was there for the asking, that people deserved fun, that if we didn't have a little fun every day we would turn into (sakes alive!) puritans.

"Was it fun?" became the question that overshadowed all other questions: good questions like: Was it moral? Was it kind? Was it honest? Was it beneficial? Was it generous? Was it necessary? And (my favorite) was it selfless?

When the pleasure got to be the main thing, the fun fetish was sure to follow. Everything was supposed to be fun. If it wasn't fun, then we were going to make it fun, or else.

Think of all the things that got the reputation of being fun. Family outings were supposed to be fun. Education was supposed to be fun. Work was supposed to be fun. Walt Disney was supposed to be fun. Church was supposed to be fun. Staying fit was supposed to be fun.

Just to make sure that everybody knew how much fun we were having, we put happy faces on flunking test papers, dirty bumpers, sticky refrigerator doors, bathroom mirrors.

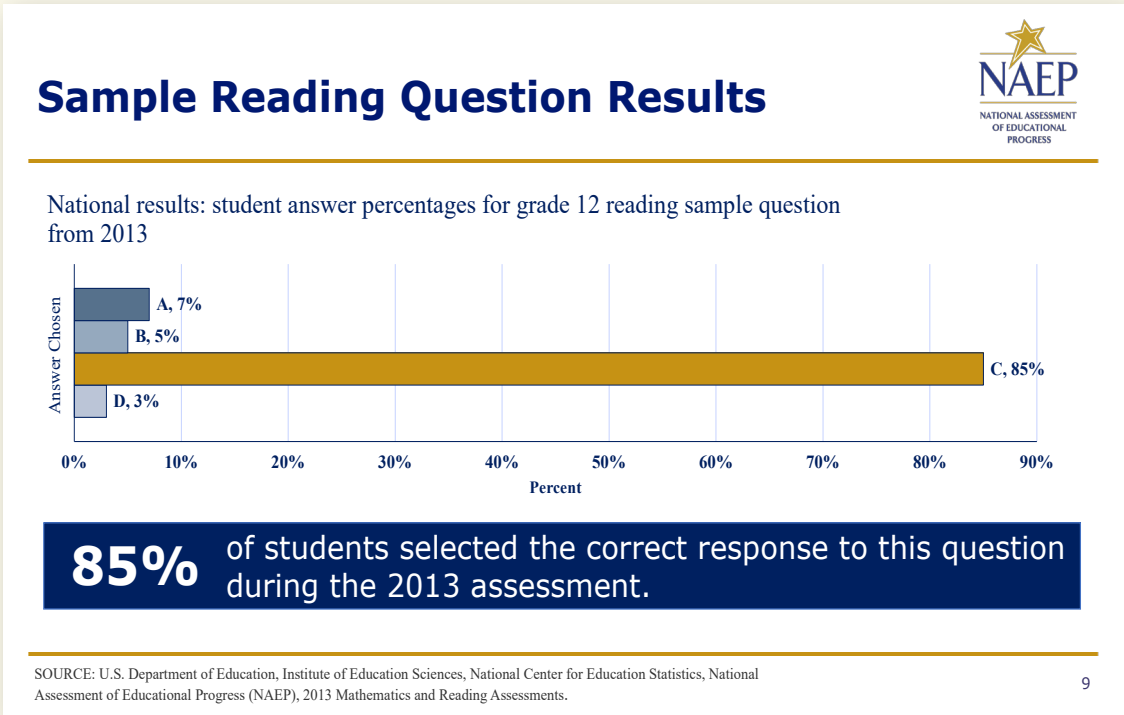
On page 3, when the author mentions the possibility of people turning into puritans, she is using this word to refer to people who

- A. lived a long time ago
- B. rarely make a mistake
- C. are serious and reserved
- D. dress in plain and dark clothing

The correct answer is:
C. are serious and reserved


8

Source: [Introducing NAEP to Teachers, slide 8.](#)



Source: [Introducing NAEP to Teachers, slide 9.](#)

How do I prepare my students for NAEP?



- There’s no need for students to study or prepare.
- Students should be encouraged to try their best to answer each question. NAEP wants to know how much high school seniors know about the subject area.
- Scores will be anonymous and will not affect grades or academic records in any way.
- Data collected from participating schools and students are combined for reporting. NAEP is not designed to report results at the school or student level.

10

Source: [Introducing NAEP to Teachers, slide 10.](#)

What should students expect?



The assessment takes place on **<Date>** and will take about 120 minutes.

- We will call students out of class that day.
- Students will receive a hall pass telling them where to report.



11

Source: [Introducing NAEP to Teachers, slide 11.](#)

Student participation is important.



- Encourage our students to do their best because they represent high school seniors across the United States.
- The data from Grade 12 NAEP will help inform policies/changes that can positively affect the future of education.



12

Source: [Introducing NAEP to Teachers, slide 12.](#)

NAEP is important.



- Important decisions about education are made using the results of these assessments.
- NAEP results are used by the media and policymakers to judge the quality of education in our nation's high schools.
- Students can contribute to improving the quality of education for every student in the United States.

13

Source: [Introducing NAEP to Teachers, slide 13.](#)

A word from your peers!




Here's a quick [video](#) made just for teachers...






14

Source: [Introducing NAEP to Teachers, slide 14.](#)

Find out more



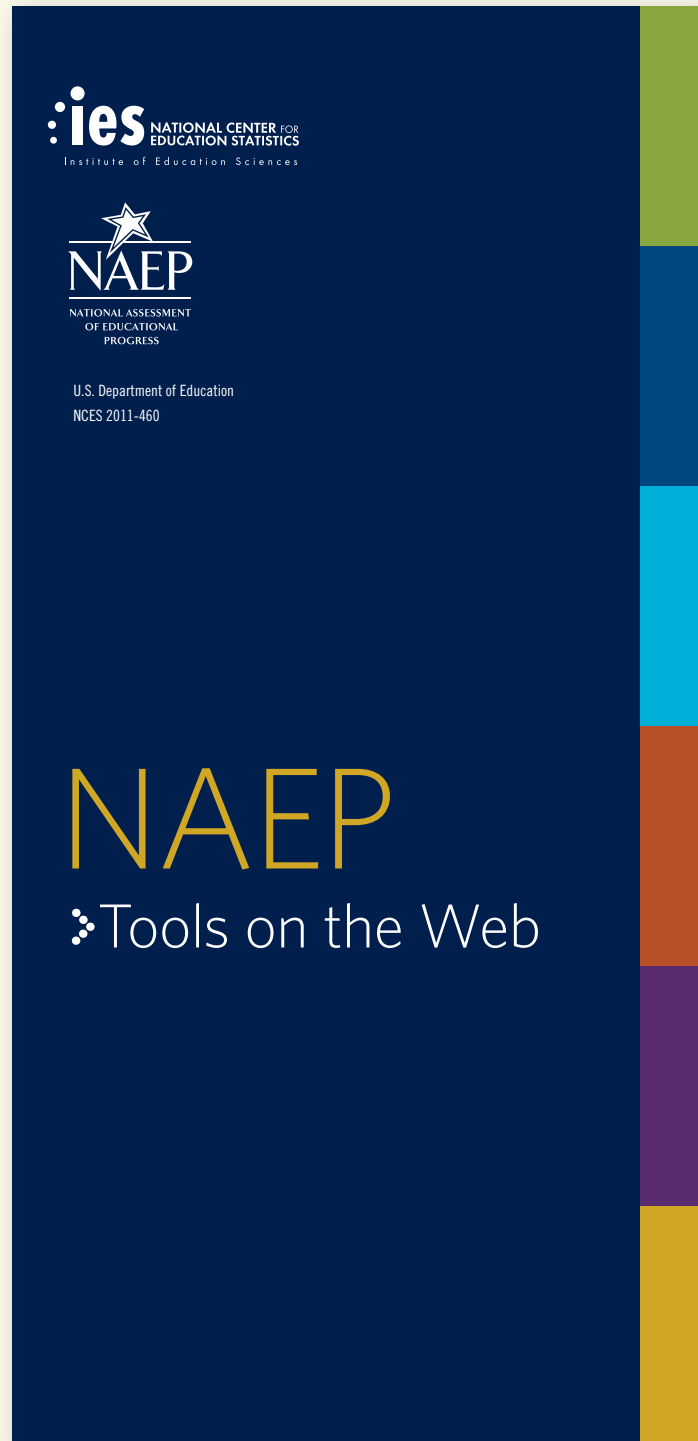
- Visit NAEP:
<https://nces.ed.gov/nationsreportcard/participating/schools.aspx>
- Follow NAEP:

[Facebook](#) 
[Twitter](#) 
[YouTube](#)

15

Source: [Introducing NAEP to Teachers, slide 15.](#)

NAEP

Tools on the Web



Source: [NAEP Tools on the Web](#), page 1.

Whether you're an educator, a member of the media, a parent, a student, a policymaker, or a researcher, there are many resources available on the National Assessment of Educational Progress (NAEP) website that can help you find exactly what you're looking for as you explore the results.

Do you want to know...

- How well the nation's students are performing in school?
- How well your state is doing compared to other states?
- How to find NAEP sample questions?
- What a *Proficient* student can do?

Find information that will help you to answer these questions—and many more—using the NAEP Tools on the Web.

View the most recent results at <http://nationsreportcard.gov>.

Get started exploring the data at <http://nces.ed.gov/nationsreportcard/about/naeptools.asp>.

➤ **NAEP Data Explorer**
Analyze NAEP data and create tables, maps, and other graphics.

➤ **NAEP Questions Tool**
Search, sort, and print NAEP sample questions.

➤ **Test Yourself**
Try out actual questions administered in the NAEP assessments.

➤ **Item Maps**
See what students at each achievement level are likely to know and be able to do.

➤ **State Comparisons**
Compare state performance by various demographic groups.

➤ **State and District Profiles**
See NAEP performance results and student demographics for states and participating districts.

Source: [NAEP Tools on the Web, page 2.](#)

18% are Below Basic

10% are at Advanced

32% are at Proficient

How well are the nation's students performing in school?

What is the main purpose of a map?

- A. To describe the location of a place
- B. To explain the way a place has changed
- C. To show the way a place is connected to other places
- D. To show what a place is like

How can I find NAEP sample questions?

➤ **NAEP DATA EXPLORER**

The **NAEP Data Explorer** allows you to view national results or search for detailed results for various subjects, grades, and jurisdictions. Student, teacher, and school variables let you look behind the results to see which factors relate to student performance. Create custom tables, graphics, and maps to illustrate the results in your presentations and reports!

<http://nces.ed.gov/nationsreportcard/naepdata>

➤ **NAEP QUESTIONS TOOL**

Use the **NAEP Questions Tool** to view more than 2,000 questions in nine subject areas that have been released from past NAEP assessments. You can search for questions by subject, grade, difficulty, and other characteristics; view actual student responses for available questions; and create quizzes for your classroom. You can also view scoring guides and data on how students performed on each question.

<http://nces.ed.gov/nationsreportcard/itmrlsx>

Source: [NAEP Tools on the Web, page 3.](#)

picture shows that $\frac{3}{4}$ is the same as $\frac{6}{8}$?

C.

D.

Grade 4 Mathematics

291
288
Advanced 285
----- 282
Proficient 281
277
273

What can a *Proficient* student do?

TEST YOURSELF

Use the **NAEP Test Yourself** tool to answer available NAEP questions at each grade and subject, and compare your scores to those of students from across the nation to see how you would perform on NAEP. Use the link provided to click through to the NAEP Questions Tool to see details of available questions, including scoring guides and results from the nation, states, and participating urban districts.

<http://nationsreportcard.gov/testyourself.asp>

ITEM MAPS

The **NAEP Item Maps** help you understand what a score indicates about what a student knows. Item maps illustrate the knowledge and skills demonstrated by students performing at different scale scores and each achievement level on NAEP assessments.

<http://nces.ed.gov/nationsreportcard/itemmaps>

Source: NAEP Tools on the Web, page 4.

How does your state compare to others?

Mathematics (0-500) Reading (0-500)

Science (0-300) Writing (0-300)

How well are your students doing?

STATE COMPARISONS

The **NAEP State Comparisons** tool can help you make quick comparisons between your state, other states, and the nation. Use this tool to create tables and maps that compare states based on average scale scores for demographic groups of students. This allows you to examine achievement gaps based on factors such as socioeconomic status, gender, and race/ethnicity.

<http://nces.ed.gov/nationsreportcard/statecomparisons>

STATE AND DISTRICT PROFILES

NAEP State and District Profiles provide key information about the characteristics of a state's or participating district's students and schools, as well as its history of NAEP performance and participation.

<http://nces.ed.gov/nationsreportcard/states>
<http://nces.ed.gov/nationsreportcard/districts>

Source: NAEP Tools on the Web, page 5.

State Profiles

NAEP State Profiles presents key data about each state's performance in the National Assessment of Educational Progress (NAEP) in mathematics, reading, writing, and science for grades 4 and 8. Click the link to view detailed data for each state, view state comparisons, and view sample questions. All scores are reported in comparison to the nation and each other. It is important to compare scores across subjects (math, reading, writing, and science) to get a full picture of a state's performance.

Average Score over Time for Louisiana

Subject	Grade	2003	2005	2007	2009
Mathematics	4	~180	~185	~190	~195
Mathematics	8	~180	~185	~190	~195
Reading	4	~180	~185	~190	~195
Reading	8	~180	~185	~190	~195
Science	4	~180	~185	~190	~195
Science	8	~180	~185	~190	~195
Writing	4	~180	~185	~190	~195
Writing	8	~180	~185	~190	~195

Comprehension - Student Response

Does the creature have a mouth? Support your answer with evidence from the text.

Yes, because it came back with its mouth open and ready to attack. "reaching towards the its tail sticking like a bundle of swords, slashing the gaps and the inside of its cradle-shaped mouth gaping and crowded with teeth"

*To locate quick reference guides and tutorials that will help you learn how to use the tools, visit: <http://nces.ed.gov/nationsreportcard/about/naeptools.asp>.
If you are a student who has been selected to take NAEP, stop by the student website to see what it's all about: <http://nces.ed.gov/nationsreportcard/students>.*


The National Assessment of Educational Progress (NAEP) is the largest continuing and nationally representative assessment of what our nation's students know and can do. NAEP is congressionally mandated, and was first administered in 1969 to measure student achievement nationally. The results of NAEP are released as The Nation's Report Card, and are used to develop ways to improve education in the United States.

Source: NAEP Tools on the Web, page 6.

For more information about NAEP, or to download the reports, visit: <http://nces.ed.gov/nationsreportcard>

You can also contact the National Center for Education Statistics (NCES) at:
National Center for Education Statistics
Assessment Division - 8th Floor
1990 K Street NW
Washington, DC 20006
Phone: 202-502-7420
<http://nces.ed.gov/nationsreportcard/contactus.asp>

To order copies of The Nation's Report Card or other NAEP publications, contact ED Pubs at:
ED Pubs
U.S. Department of Education
P.O. Box 22207
Alexandria, VA 22304
www.EDPubs.gov

www.ed.gov  ies.ed.gov

This report was prepared for the National Center for Education Statistics under Contract No. ED-07-00-0268 with Hager Sharp. The content of this publication does not necessarily reflect the views or policies of the U.S. Department of Education. Mention of trade names, commercial products, or organizations does not imply endorsement by the U.S. Government.

Source: NAEP Tools on the Web, page 7.

Talking Points

Principals and Teachers to Students



What is NAEP?

NAEP stands for the National Assessment of Educational Progress. You may know it as The Nation's Report Card. It's the largest continuing and nationally representative assessment of what students across the country know and can do in various subjects. It is different from our state assessments and even the SAT and ACT because it represents all high school students across the country, not just those here in our state or those who plan to go on to college.

Why should I participate?

NAEP is important. The results of NAEP are released as The Nation's Report Card and they help the President, Congress, and all of our educators make decisions about how to improve our education system. By participating, you have the ability to influence those decisions and contribute to the quality of education for future students. Not all students take the assessment. You have been chosen to represent other high school students in our school, in our state, and across the country. It is important that you take part and put forth your best effort.

What do I have to do?

You will take the test with other selected students. The test takes only about 120 minutes. Students will be assessed in mathematics and reading. Each student will be assessed in only one subject. Your scores will be anonymous and will not affect your grades or academic record in any way. Instead, they will be combined with the scores of other students to produce overall results. You should do your best because you were selected to represent students just like you across the country. When NAEP results are reported in the news, they influence the public's opinion of what high school students across the United States know and can do in a variety of subjects.

PowerPoint Slides

Introducing NAEP to Students

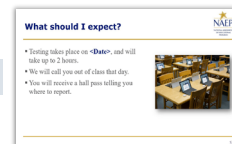
Before you use this presentation...

1. Insert your **school name** on **slide #2**.
2. Include the **assessment date** on **slide #12**.
3. Insert your **school name** on **slide #14**.
4. Delete this slide after making the above updates.

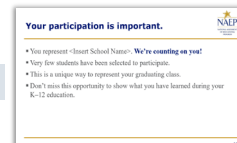
Slide #2



Slide #12



Slide #14



Source: [Introducing NAEP to Students, slide 1.](#)

The Nation's Report Card

National Assessment of Educational Progress

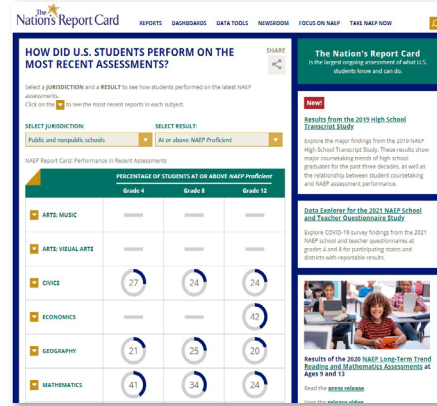
Coming soon to <Insert School Name>!

Source: [Introducing NAEP to Students, slide 2.](#)

What is the Nation’s Report Card?



- A program that measures student achievement in major subject areas across the nation at grades 4, 8, and 12.
- It is also known as **NAEP**, which stands for the **National Assessment of Educational Progress**.



<https://nationsreportcard.gov/>

3

Source: [Introducing NAEP to Students, slide 3.](#)

Does everyone take the NAEP Assessment?



- **No! Very few high schools are selected for NAEP.**
 - First, schools are selected to represent other schools across the nation.
 - Then, a small group of students is randomly selected.




When you participate, **you represent thousands of students like you** across the country.




4

Source: [Introducing NAEP to Students, slide 4.](#)

What is included on the NAEP Assessment?



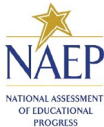
- High school seniors will take a mathematics or reading assessment on a NAEP-provided device.
 - Each student will take **one subject only**.
- The device will include a keyboard, stylus, and earbuds.
 - You can keep the NAEP earbuds**, or bring your own earbuds if you prefer.



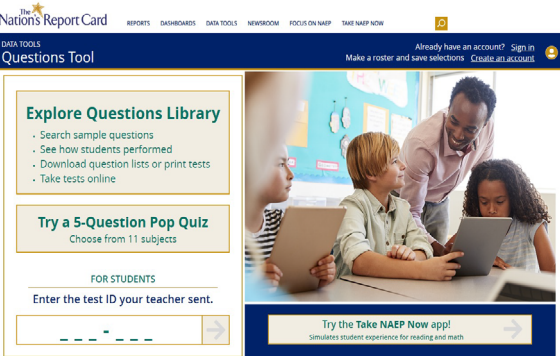
5

Source: [Introducing NAEP to Students, slide 5.](#)

What is included on the NAEP Assessment?



- Items are multiple-choice or constructed response.
- Sample questions are available online.
- Additional survey questionnaires collect contextual information about your opportunities to learn in and out of the classroom.



<https://nces.ed.gov/nationsreportcard/nqt/>

6


Source: [Introducing NAEP to Students, slide 6.](#)

Sample Mathematics Question

If $f(x) = \frac{x-1}{x}$, what is $f(5)$?

- A. 0
- B. $\frac{4}{5}$
- C. 1
- D. $\frac{6}{5}$
- E. $\frac{24}{5}$

The correct answer is B. $\frac{4}{5}$




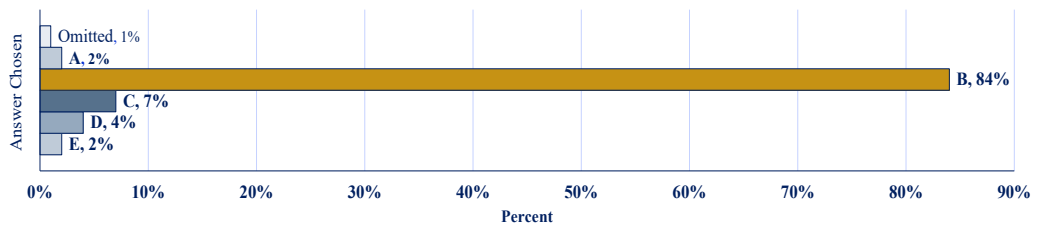
7

Source: [Introducing NAEP to Students, slide 7.](#)

Sample Mathematics Question Results

National results: student answer percentages for grade 12 mathematics sample question from 2013





Answer Chosen	Percent
Omitted	1%
A	2%
B	84%
C	7%
D	4%
E	2%


84%

of students selected the correct response to this question during the 2013 assessment.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2013 Mathematics and Reading Assessments.

8

Source: [Introducing NAEP to Students, slide 8.](#)



Sample Reading Excerpt

FUN

by Suzanne Britt Jordan

Fun is hard to have.
Fun is a rare jewel.

Somewhere along the line people got the modern idea that fun was there for the asking, that people deserved fun, that if we didn't have a little fun every day we would turn into (sakes alive!) puritans.

"Was it fun?" became the question that overshadowed all other questions: good questions like: Was it moral? Was it kind? Was it honest? Was it beneficial? Was it generous? Was it necessary? And (my favorite) was it selfless?

When the pleasure got to be the main thing, the fun fetish was sure to follow. Everything was supposed to be fun. If it wasn't fun, then we were going to make it fun, or else.

Think of all the things that got the reputation of being fun. Family outings were supposed to be fun. Education was supposed to be fun. Work was supposed to be fun. Walt Disney was supposed to be fun. Church was supposed to be fun. Staying fit was supposed to be fun.

Just to make sure that everybody knew how much fun we were having, we put happy faces on flunking test papers, dirty bumpers, sticky refrigerator doors, bathroom mirrors.


On page 3, when the author mentions the possibility of people turning into puritans, she is using this word to refer to people who,

- A. lived a long time ago
- B. rarely make a mistake
- C. are serious and reserved
- D. dress in plain and dark clothing

C. are serious and reserved

9

Source: [Introducing NAEP to Students, slide 9.](#)



Sample Reading Question

National results: student answer percentages for grade 12 reading sample question from 2013

Answer Chosen	Percent
A	7%
B	5%
C	85%
D	3%

85% of students selected the correct response to this question during the 2013 assessment.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2013 Mathematics and Reading Assessments.

10

Source: [Introducing NAEP to Students, slide 10.](#)

How should I prepare for NAEP?



- Good news! **You don't have to study.**
- You can skip any questions on the assessment; we just ask that you **try your best** to answer each question.
- Your scores will be anonymous and **will not affect your grades** or academic record in any way.
- Data collected from participating schools and students are combined for reporting. NAEP is not designed to report results at the school or student level.

11

Source: [Introducing NAEP to Students, slide 11.](#)

What should I expect?



- The assessment takes place on **<Date>**, and will take up to 2 hours.
- We will call you out of class that day.
- You will receive a hall pass telling you where to report.



12

Source: [Introducing NAEP to Students, slide 12.](#)

NAEP is important.



- NAEP is the **only** national measure of what students know and can do in a variety of subjects.
- Important decisions about education are made using NAEP results.
- We want you to do your best because you represent high school seniors all across the United States.
- You can contribute to improving the quality of education **for all students** in the United States.

13

Source: [Introducing NAEP to Students, slide 13.](#)

Your participation is important.




- You represent <Insert School Name>. **We're counting on you!**
- Very few students have been selected to participate.
- This is a unique way to represent your graduating class.
- Don't miss this opportunity to show what you have learned during your K–12 education.




14

Source: [Introducing NAEP to Students, slide 14.](#)

Find out more



- Visit NAEP:
<http://nces.ed.gov/nationsreportcard/students>
- Follow NAEP:

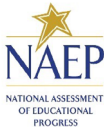
  

[Facebook](#) [Twitter](#) [YouTube](#)

15

Source: [Introducing NAEP to Students, slide 15.](#)

A word from your peers!



Here's a quick [video](#) made just for students...

16

Source: [Introducing NAEP to Students, slide 16.](#)

Incentive Ideas

For Students Who Participate in NAEP

Student incentives can help boost NAEP participation rates in your school. Here are some examples of strategies used by school principals over the past 10 years.

Raffle for prizes

Students who choose to participate can be entered into a raffle for a special prize. Some possible prizes are listed below.

- ▶ Free prom tickets
- ▶ Special parking space for a day or week
- ▶ Free yearbook
- ▶ Free yearbook space/page
- ▶ Gift card(s) from local businesses

Free food

Some schools offer a simple breakfast as a thank you to participating students—bagels, donuts, coffee, and orange juice. Another option is pizza for lunch or snacks for after the assessment.

Graduation pin

Create and distribute a pin or honor tag to be worn during graduation.



NAEP 2024

Certificate of Community Service



This is to verify that *(Name of Student)* _____ has completed 1½ hours of community service by participating in the National Assessment of Educational Progress (NAEP). NAEP is the largest continuing and nationally representative assessment of what our nation's students know and can do in core subjects. Since each sampled student represents many others throughout the state and country, each student's participation is critical to NAEP's success.



Peggy Carr, Ph.D., Commissioner
National Center for Education Statistics
U.S. Department of Education

Find us on:   

Source: [NAEP 2024 Certificate of Community Service](#).

NAEP 2024 Certificate of Appreciation



Source: [NAEP 2024 Certificate of Appreciation](#).

Talking Points

Principals and Teachers to Parents

What is NAEP?

The National Assessment of Educational Progress, or NAEP, is often called the gold standard of assessments and has been around since 1969. It's called The Nation's Report Card because it tells us how students across the country are doing. It is different from any of the other tests your child takes in school – including state assessments and even the SAT and ACT – because it represents all high school students in the United States, not just those in our state or those who plan to go on to college. As the largest national test, the results are found in the headlines of national and local news stories all over the country.

Why should I encourage my child to participate?

NAEP is a window into the state of our educational system and what students are learning. It opens the door for parents to understand how well children like theirs are doing compared to other students in participating large urban districts, other states, the nation, and the rest of the world. Your child has been selected to represent other students like them across the country. Not every student or every school takes the test, and your child can help to show the country just how much all our high school students know and can do in a variety of subjects. The results of NAEP help the President, Congress, and educators make informed decisions about how to improve our education system. When your child participates, your child is making a difference.

What does my child have to do?

If your child is selected to participate in the assessment, your child will need to be out of class for about 120 minutes. The results are anonymous and your child's grades won't be affected. We encourage students to get a good amount of sleep the night before and to eat breakfast that morning. Please encourage your child to do their best.

Where can I find more information on NAEP?

Visit The Nation's Report Card online at www.nces.ed.gov/nationsreportcard and dig deeper into topics such as

- ▶ How your child was selected
- ▶ NAEP accommodations
- ▶ NAEP scoring

Also, access the NAEP parent brochure at <http://nces.ed.gov/pubsearch/pubsinfo.asp?pubid=2012469>.

PowerPoint Slides

Introducing NAEP to Parents

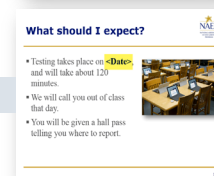
Before you use this presentation...

1. Insert your **school name** on **slide #2**.
2. Include the **assessment date** on **slide #10**.
3. Insert **contact information** on **slide #19**.
4. Delete this slide after making the above updates.

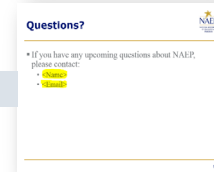
Slide #2



Slide #10



Slide #19



Source: [Introducing NAEP to Parents, slide 1.](#)


The Nation's Report Card

National Assessment of Educational Progress

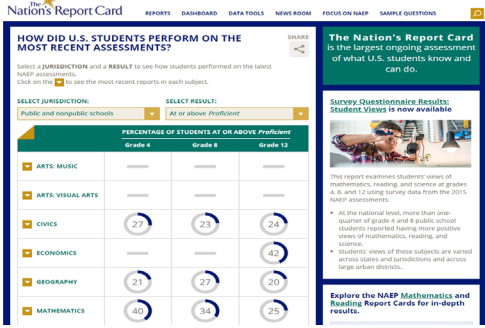
Coming soon to <Insert School Name>!

Source: [Introducing NAEP to Parents, slide 2.](#)

What is the Nation’s Report Card?



- A program that measures student achievement in major subject areas across the nation at grades 4, 8, and 12.
- It is also known as **NAEP**, which stands for the **National Assessment of Educational Progress**.




The screenshot shows the 'Nations Report Card' website interface. It features a navigation bar with 'REPORTS', 'DASHBOARD', 'DATA TOOLS', 'NEWS ROOM', 'FOCUS ON NAEP', and 'SAMPLE QUESTIONS'. The main content area is titled 'HOW DID U.S. STUDENTS PERFORM ON THE MOST RECENT ASSESSMENTS?' and includes a table of results. The table has columns for 'Grade 4', 'Grade 8', and 'Grade 12' under the heading 'PERCENTAGE OF STUDENTS AT OR ABOVE PROFICIENT'. The rows list subjects: ARTS: MUSIC, ARTS: VISUAL ARTS, CIVICS, ECONOMICS, GEOGRAPHY, and MATHEMATICS. The data points are: ARTS: MUSIC (all empty), ARTS: VISUAL ARTS (all empty), CIVICS (27, 23, 24), ECONOMICS (empty, empty, 42), GEOGRAPHY (21, 27, 20), and MATHEMATICS (40, 34, 25). To the right of the table is a sidebar with a 'Survey Questionnaire Results' section and a 'Explore the NAEP Mathematics and Reading Report Cards for in-depth results.' link.

<https://nationsreportcard.gov/>

3

Source: [Introducing NAEP to Parents, slide 3.](#)

NAEP in a Nutshell



- Often called the gold standard of assessments.
- First administered in 1969.
- The subjects most frequently assessed are...
 - mathematics, reading, and science.
- Accommodations are provided so that as many students as possible can participate.

4

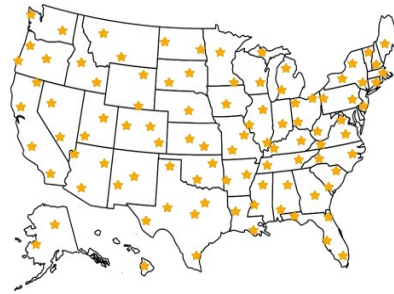
Source: [Introducing NAEP to Parents, slide 4.](#)

Does everyone take the NAEP assessment?



- **No! Very few high schools are selected for NAEP.**

- First, schools are selected to represent other schools across the nation.
- Then, a small group of students is randomly selected.

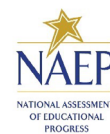


When students participate, **they represent thousands of other students** across the country.

5

Source: [Introducing NAEP to Parents, slide 5.](#)

What is included on the NAEP assessment?

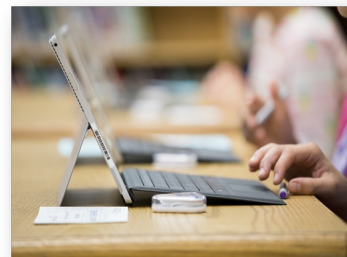


- High school seniors will take a mathematics or reading assessment on a NAEP-provided device.

- Each student will take **one subject only**.

- The assessment also asks questions about daily routines and their educational experiences.

- For example, students are asked if there is a computer at home and about the amount of reading they do.




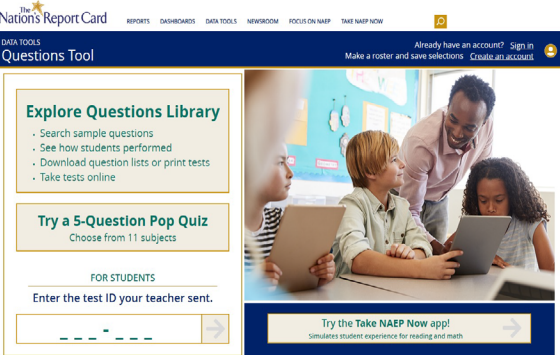
6

Source: [Introducing NAEP to Parents, slide 6.](#)

What is included on the NAEP assessment?

- Items are multiple-choice or constructed response.
- Sample questions are available online.
- Questionnaires ask about teaching strategies, students' educational experiences, and other topics.





<https://nces.ed.gov/nationsreportcard/nqt/>


7

Source: [Introducing NAEP to Parents, slide 7.](#)

Sample Mathematics Question

If $f(x) = \frac{x-1}{x}$, what is $f(5)$?

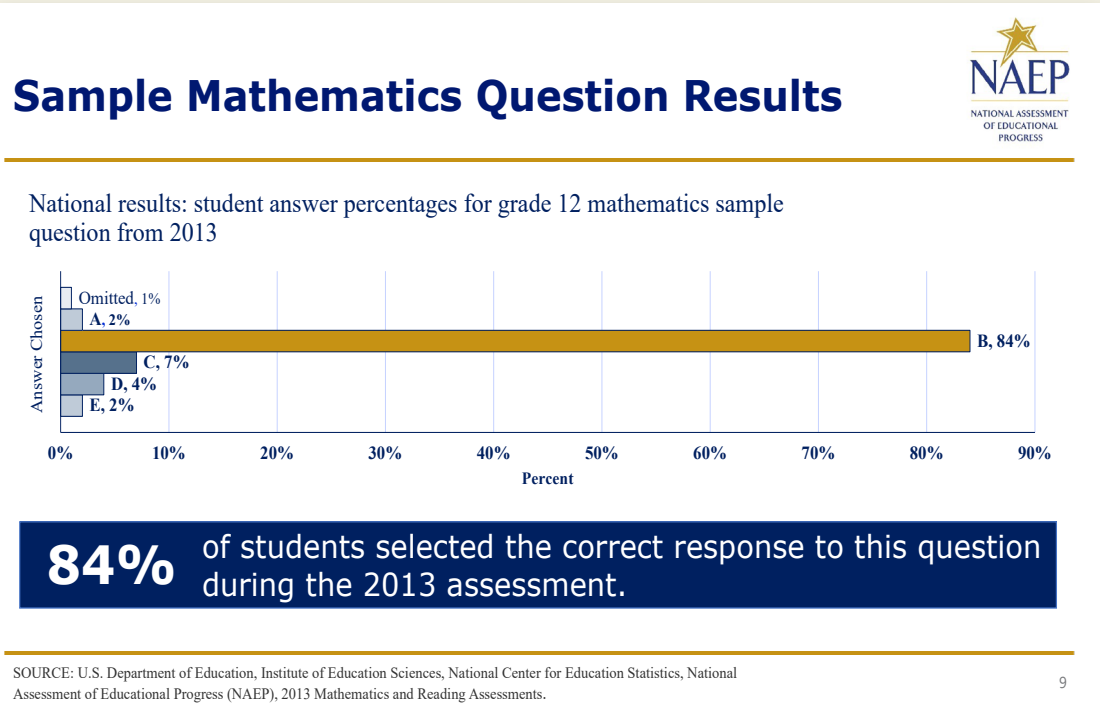
- A. 0
- B. $\frac{4}{5}$
- C. 1
- D. $\frac{6}{5}$
- E. $\frac{24}{5}$



The correct answer is B. $\frac{4}{5}$


8

Source: [Introducing NAEP to Parents, slide 8.](#)




Source: [Introducing NAEP to Parents, slide 9.](#)

What should students expect?



- The assessment takes place on **<Date>**, and will take up to 2 hours.
- Students will receive a hall pass with the assessment location and time on it.



10

Source: [Introducing NAEP to Parents, slide 10.](#)

Good news! No studying or prep required.

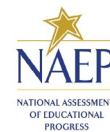


- **Students are encouraged to try their best.**
- Students can skip any questions on the assessment.
- Scores will be **anonymous**.
 - They will not affect grades or academic record.
 - Scores are combined to show what high school seniors in the United States know and can do in various subjects. NAEP is not designed to report results at the school or student level.

11

Source: [Introducing NAEP to Parents, slide 11.](#)

Student participation is important.




- We want to encourage our students to do their best, because they represent high school seniors across the United States.
- It's a great way to do something good and contribute to the future of education.



12

Source: [Introducing NAEP to Parents, slide 12.](#)



NAEP is important.

- Important decisions about education are made using the results of these assessments.
- NAEP results are used by the researchers and policymakers to judge the quality of education in our nation’s high schools.
- Participating students can contribute to improving the quality of education for every student in the United States.

13

Source: [Introducing NAEP to Parents, slide 13.](#)




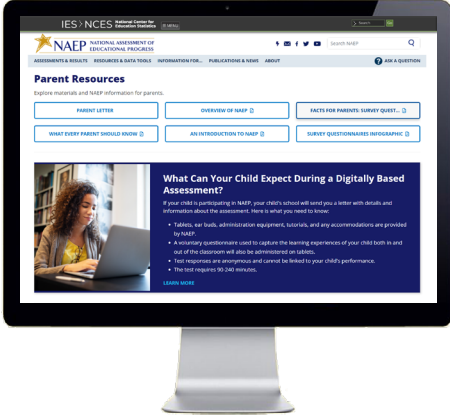
Resources for Parents

14

Source: [Introducing NAEP to Parents, slide 14.](#)

FAQs for Parents: NAEP Website





- **Parent Resources:**
 - Parent Letter
 - Overview of NAEP
 - Facts for Parents: Survey Questionnaires
 - What Every Parent Should Know
 - An Introduction to NAEP
 - Survey Questionnaires Infographic
- **What NAEP Results Tell Us About Education**
- **The types of questions on the NAEP Assessment**
- **FAQs**

<https://nces.ed.gov/nationsreportcard/parents>

15

Source: [Introducing NAEP to Parents, slide 15.](#)

The Nation's Report Card Website: Assessment Results






<https://www.nationsreportcard.gov/>

16

Source: [Introducing NAEP to Parents, slide 16.](#)



Sample Questions Booklets

Sample Questions Booklets

Sample questions booklets contain general information about the NAEP assessments. They are helpful to K-12 education administrators, teachers, parents, and students of participating schools and provide an idea of student achievement and what to expect during an assessment. The booklets include assessment directions as well as links to sample NAEP assessment questions and survey questionnaires that explore students' activities and characteristics related to education and the subject being assessed.

Sample questions booklets for upcoming and recent digital assessments and field tests are available below in PDF format. Booklets are listed by assessment year, (2020-2006) but can be searched by subject (i.e., arts, civics, long-term trend, economics, mathematics, reading, etc.) and by grade (4, 8, 12) or, for the long-term trend assessments, by age (9, 13, 17).

Show entries Search:

Year	Grade ¹	Subject
2022	4	Mathematics and Reading
2022	8	Civics, Mathematics, Reading and


Related Information

- Explore Assessment Data >
- Assessments >
- About Digitally Based Assessments >
- Assessment Process >
- TEL Assessment >
- The Nation's Report Card [↗](#)

<https://nces.ed.gov/nationsreportcard/about/booklets.aspx>

17

Source: [Introducing NAEP to Parents, slide 17.](#)



Questions?

▪ If you have any questions about NAEP, please contact:

- <Name>
- <Email>

18

Source: [Introducing NAEP to Parents, slide 18.](#)

Infographic

Grade 12 Math and Reading

Results from the 2019 Mathematics and Reading Assessments at Grade 12

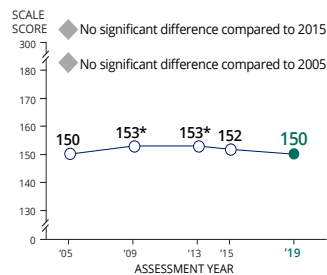


NATIONAL AVERAGE SCORES AND PERCENTILES

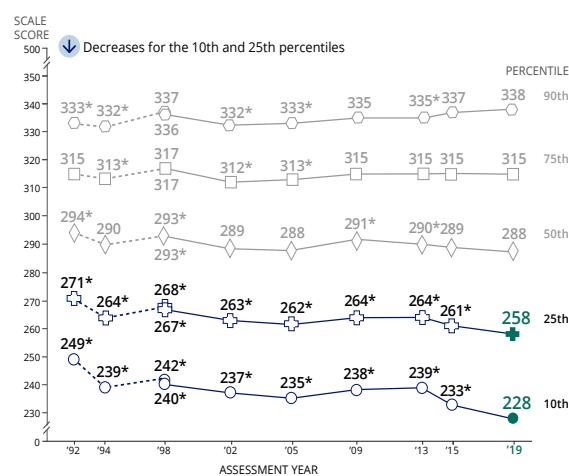
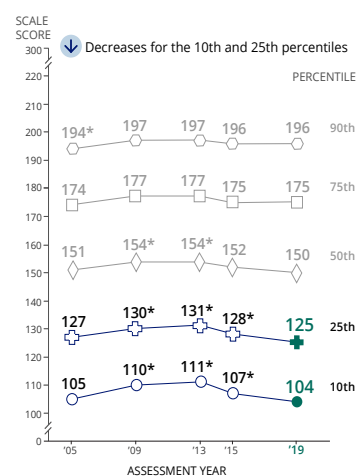
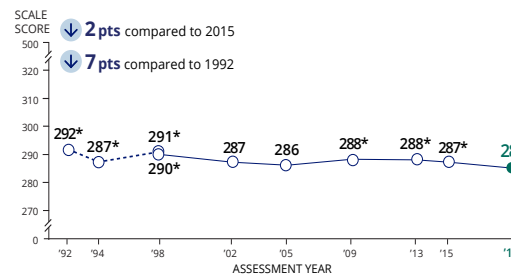
Average score in mathematics unchanged and lower in reading compared to 2015; scores decrease for lower-performers in both subjects

- 2019 scores decreased in mathematics and reading for lower-performing students, those at the 10th and 25th percentiles, compared to 2015.
- Only students at the 90th percentile scored higher in 2019 than in the first assessment year for each subject.
- Scores declined in reading for male students overall and at the 10th and 25th percentiles since 2015.
- 2019 scores for racial/ethnic groups did not significantly change in either mathematics or reading since 2015.

GRADE 12 MATHEMATICS



GRADE 12 READING



* Significantly different ($p < .05$) from 2019. - - - Accommodations not permitted — Accommodations permitted

Source: 2019 Infographic for Math and Reading at Grade 12, page 1.

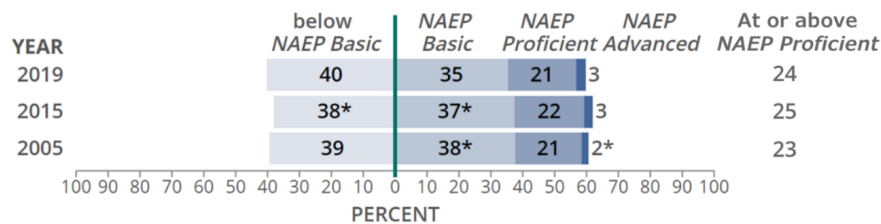
NATIONAL ACHIEVEMENT-LEVEL RESULTS

Higher percentages of twelfth-grade students perform below *NAEP Basic* in both mathematics and reading compared to 2015

- The 40 percent of students performing below *NAEP Basic* in mathematics was higher in 2019 than in all previous assessment years except for 2005. The 30 percent of students performing below *NAEP Basic* in reading was higher than in all previous assessment years.
- The percentage of twelfth-grade students performing at or above *NAEP Proficient* in 2019 was not significantly different from 2015 in either mathematics or reading.
- The 3 percent of students performing at *NAEP Advanced* in mathematics in 2019 was higher than in 2005 (2 percent). In reading, the percentage performing at *NAEP Advanced* in 2019 (6 percent) was higher than in 1992 (4 percent).

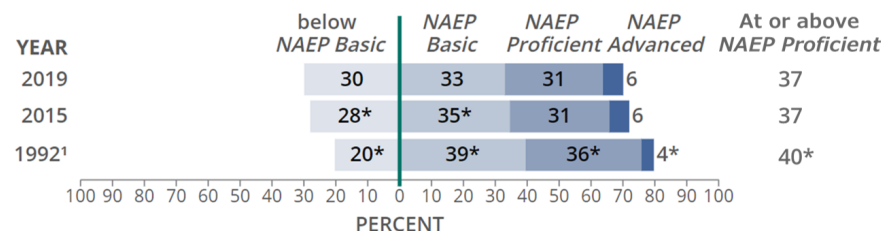
GRADE 12 MATHEMATICS

Forty Percent below *NAEP Basic*



GRADE 12 READING

Thirty Percent below *NAEP Basic*



* Significantly different ($p < .05$) from 2019.

¹ Accommodations not permitted.

NOTE: The *NAEP Proficient* achievement level does not represent grade-level proficiency, but rather competency over challenging subject matter. NAEP achievement levels are to be used on a trial basis and should be interpreted and used with caution.

Source: [2019 Infographic for Math and Reading at Grade 12, page 2.](#)

SURVEY QUESTIONNAIRE RESULTS: STUDENTS' POSTSECONDARY PLANS

Sixty-one percent of twelfth-grade students report applying or being accepted to a four-year college in 2019

- Approximately one-third of students reported they had applied or been accepted to a two-year college in 2019 and 22 percent reported they had no plans to attend college or a technical training program.
- Of the students who applied or were accepted to a four-year college, 37 percent were at or above *NAEP Proficient* in mathematics and 50 percent of these students were at or above *NAEP Proficient* in reading.

Survey questions about students' postsecondary plans	Percentage of twelfth-graders	Percentage of these students			
		Mathematics		Reading	
		below <i>NAEP Basic</i>	at or above <i>NAEP Proficient</i>	below <i>NAEP Basic</i>	at or above <i>NAEP Proficient</i>
Applied or accepted to a four-year college	61%	26%	37%	19%	50%
Applied or accepted to a two-year college	33%	52%	12%	37%	26%
Accepted to a technical training program	6%	59%	10%	51%	20%
No plans for four-year college, two-year college, or technical training program	22%	59%	8%	43%	21%
Talked with a military recruiter	26%	47%	18%	33%	31%

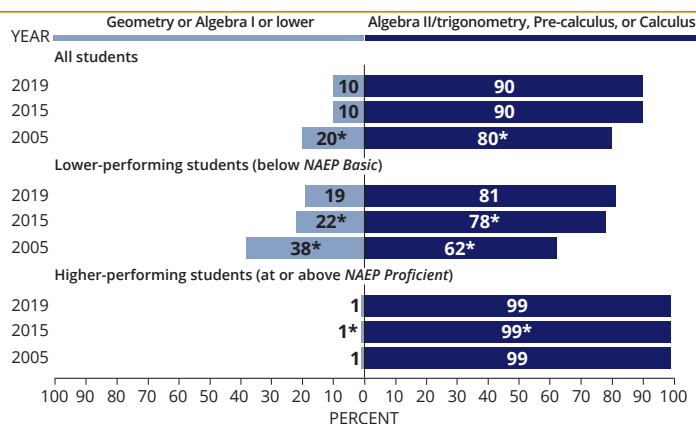
Source: [2019 Infographic for Math and Reading at Grade 12, page 3.](#)

SURVEY QUESTIONNAIRE RESULTS: STUDENTS' COURSETAKING

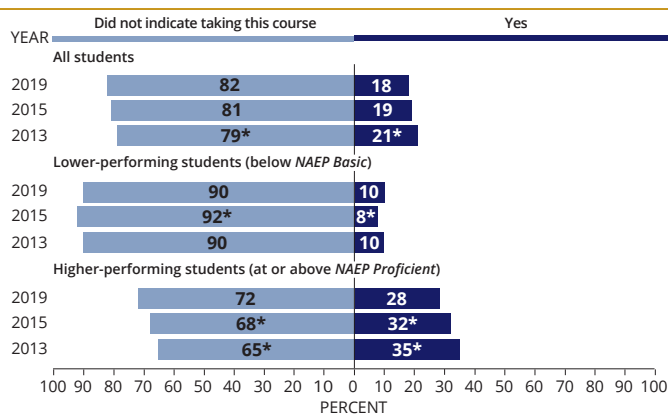
Increase in percentage of lower-performing twelfth-grade students who report taking more advanced mathematics and advanced reading courses compared to 2015

- A higher percentage of students performing below *NAEP Basic* in 2019 (81 percent) reported taking more advanced courses such as trigonometry or algebra II, pre-calculus, or calculus as their highest-level mathematics course compared to 2015 (78 percent) and 2005 (62 percent). The percentage of students performing at or above *NAEP Proficient* who reported taking more advanced mathematics courses in 2019 (99 percent) was lower than the percentage in 2015 (99 percent).
- A higher percentage of students performing below *NAEP Basic* in 2019 (10 percent) reported taking an advanced reading course in comparison to 2015 (8 percent). The percentages of students at or above *NAEP Proficient* in 2019 who reported taking an advanced reading course (28 percent) decreased compared to 2015 (32 percent) and 2013 (35 percent).
- Compared to students performing below the *NAEP Basic* level, larger percentages of students performing at or above *NAEP Proficient* in 2019 reported taking more advanced mathematics courses and reported having taken or been enrolled in an AP English Literature and Composition class.

Highest level of mathematics course taken



Whether students were enrolled in or had taken AP English Literature and Composition



* Significantly different ($p < .05$) from 2019.

Source: 2019 Infographic for Math and Reading at Grade 12, page 4.

NAEP High School Transcript Study

Grade 12 Results from 2019

NAEP High School Transcript Study

Results from 2019

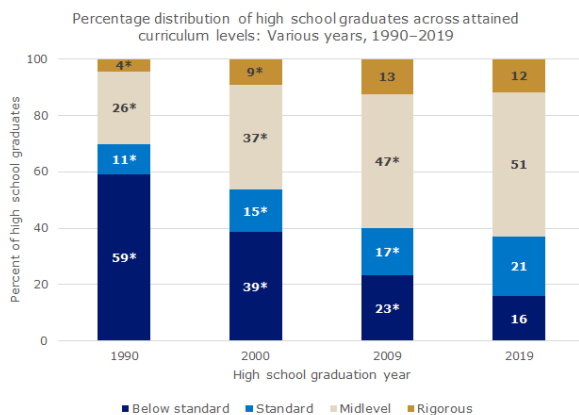


National Assessment of Educational Progress

The NAEP High School Transcript Study (HSTS) is designed to provide information about the types of courses that graduates take during high school, how many credits they earn, and their grade point averages. In addition, this study provides an opportunity to examine the relationship between coursetaking patterns and educational achievement through the link to twelfth-grade NAEP proficiency data. The most recent study, conducted in 2019, collected transcripts from a nationally representative sample of 47,000 high school graduates from about 1,400 public and private schools.

What Have We Learned From the HSTS?

The graph below highlights the high school coursework graduates have completed over the past three decades based on the three HSTS curriculum levels: standard, midlevel, and rigorous. Over time, students have taken more challenging courses, with over half of graduates earning a midlevel curriculum in 2019, compared to 26 percent in 1990.



Fifty-one percent of all high school graduates in 2019 attained a midlevel curriculum.

*Significantly different ($p < .05$) from 2019

NOTE: Details may not sum to total because of rounding. Curriculum levels are based on the number of credits earned (where one credit equals a year-long course) and types of courses students complete. The standard curriculum is defined as completing at least four credits of English and three credits each in mathematics, science, and social studies. The midlevel curriculum builds upon the standard curriculum by adding an algebra and geometry requirement, credits in two laboratory sciences (biology, chemistry, or physics), and a credit in world languages. The rigorous curriculum level builds upon the midlevel curriculum by adding a fourth credit in mathematics of precalculus or calculus, credits in all three laboratory sciences, and three credits in world languages.

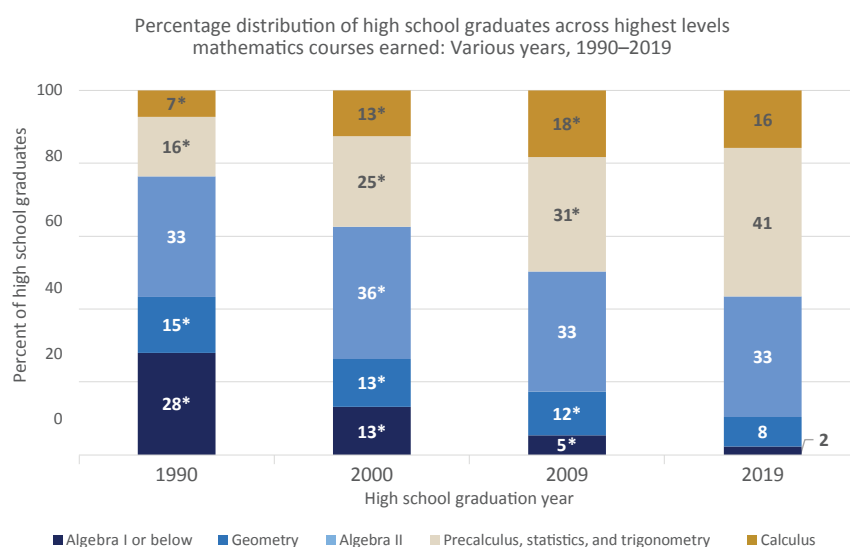
SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP) High School Transcript Study, various years, 1990–2019.



For more information about NAEP, visit nces.ed.gov/nationsreportcard

Source: NAEP High School Transcript Study Grade 12 Results from 2019, page 1.

The HSTS also examined the highest level mathematics courses completed by graduates. In 2019, for 41 percent of high school graduates, a precalculus, statistics, or trigonometry course was the highest level mathematics course completed compared to the previous decades.



*Significantly different ($p < .05$) from 2019
 NOTE: Details may not sum to total due to rounding. The figure shows the highest level mathematics course in which a high school graduate earned credits. Precalculus, statistics, and trigonometry covers mathematics courses usually taken after Algebra II and before Calculus. The category includes such courses as trigonometry, precalculus, mathematical analysis, elementary functions, and probability and statistics.
 SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP) High School Transcript Study, various years, 1990–2019.

Where Can I Find More Information?

More information about the NAEP high school transcript studies can be found on the NAEP website at <http://www.nationsreportcard.gov/hstsreport>.



Source: [NAEP High School Transcript Study Grade 12 Results from 2019, page 2.](#)

